

~~10. The process for producing a photocatalyst module according to claim 6 wherein the formation of said layer of a photocatalyst is carried out by a flame spray coating method.~~

A₂
~~11. A photocatalyst reaction apparatus provided with a photocatalyst module defined in claim 1.~~

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~~12. A photocatalyst reaction apparatus comprising a water tank provided with a photocatalyst module defined in claim 1, water introducing means, water discharging means, and means for radiating ultraviolet rays.~~

Please add claims 16-20 as follows:

A₃
~~16. The photocatalyst module according to claim 2 wherein said photocatalyst is titanium oxide.~~

~~17. The photocatalyst module according to claim 3 wherein said photocatalyst is titanium oxide.~~

~~18. The photocatalyst module according to claim 2 wherein said photocatalyst is in a shape of a layer of particles.~~

~~19. The photocatalyst module according to claim 3 wherein said photocatalyst is in a shape of a layer of particles.~~

~~20. The photocatalyst module according to claim 4 wherein said photocatalyst is in a shape of a layer of particles.~~